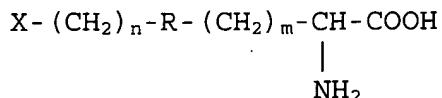


IN THE CLAIMS:

Please amend claims 3, 5, and 6. The current status of the claims is reflected in the below listing of claims.

1. (Currently amended) A halogenated amino acid analogue having the general formula:

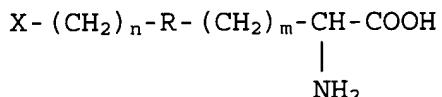


wherein:

X is a radioactive halogen;  
m is 0 or 1;  
n is 0, 1, 2, 3, 4, 5, or 6;  
R is ( $\text{C}_1 - \text{C}_6$ ) alkyl optionally substituted with thioether or ether oxygen atom when n is 0; and  
R is an aromatic ring, a heteroaromatic ring, or a substituted aromatic or heteroaromatic ring when n is 1, 2, 3, 4, 5 or 6.

2. (Withdrawn) The analogue of claim 1, wherein R is methyl, ethyl, propyl, isopropyl, butyl, tertiary butyl or methyl thioethyl.

3. (Currently amended) The analogue of claim 1, wherein A halogenated amino acid analogue having the general formula:



wherein:

X is a radioactive halogen;  
m is 0 or 1;  
n is 0, 1, 2, 3, 4, 5, or 6;  
R is ( $\text{C}_1 - \text{C}_6$ ) alkyl optionally substituted with thioether

or ether oxygen atom when n is 0; and

R is phenyl, hydroxyphenyl, pyridyl, or hydroxypyridyl  
when n is 1, 2, 3, 4, 5 or 6.

4. (Canceled)

5. (Currently amended) The analogue of claim ~~4~~ 1,  
wherein the halogen is <sup>18</sup>F.

6. (Currently amended) The analogue of claim ~~4~~ 1,  
wherein the halogen is <sup>123</sup>I.

Claims 7 - 8. (Canceled)

9. (Original) The analogue of claim 1, wherein the  
analogue is selected from the group consisting of: [<sup>18</sup>F] labeled  
L,D-2-amino-3-(2-fluoromethyl-phenyl)-propionic acid; [<sup>18</sup>F]  
labeled L,D-2-amino-3-(3-fluoromethyl-phenyl)-propionic acid;  
[<sup>18</sup>F] labeled L,D-2-amino-3-(4-fluoromethyl-phenyl)-propionic  
acid; [<sup>18</sup>F] labeled L,D-2-amino-3-(2-fluoroethyl-phenyl)-  
propionic acid; [<sup>18</sup>F] labeled L,D-2-amino-3-(3-fluoroethyl-  
phenyl)-propionic acid; [<sup>18</sup>F] labeled L,D-2-amino-3-(4-  
fluoroethyl-phenyl)-propionic acid; [<sup>18</sup>F] labeled L,D-2-amino-3-(3-  
fluoromethyl-pyridin-2-yl)-propionic acid; [<sup>18</sup>F] labeled L,D-  
2-amino-3-(4-fluoromethyl-pyridin-2-yl)-propionic acid; [<sup>18</sup>F]  
labeled L,D-2-amino-3-(5-fluoromethyl-pyridin-2-yl)-propionic  
acid; [<sup>18</sup>F] labeled L,D-2-amino-3-(6-fluoromethyl-pyridin-2-  
yl)-propionic acid; [<sup>18</sup>F] labeled L,D-2-amino-3-(3-fluoroethyl-  
pyridin-2-yl)-propionic acid; [<sup>18</sup>F] labeled L,D-2-amino-3-(4-  
fluoroethyl-pyridin-2-yl)-propionic acid; [<sup>18</sup>F] labeled L,D-2-  
amino-3-(5-fluoroethyl-pyridin-2-yl)-propionic acid; [<sup>18</sup>F]  
labeled L,D-2-amino-3-(6-fluoroethyl-pyridin-2-yl)-propionic  
acid; [<sup>18</sup>F] labeled L,D-2-amino-3-(2-fluoromethyl-4-hydroxy-  
phenyl)-propionic acid; [<sup>18</sup>F] labeled L,D-2-amino-3-(5-

fluoromethyl-3-hydroxy-phenyl)-propionic acid; [<sup>18</sup>F] labeled L,D-2-amino-3-(6-fluoromethyl-3-hydroxy-phenyl)-propionic acid; [<sup>18</sup>F] labeled L,D-2-amino-3-(2-fluoroethyl-4-hydroxy-phenyl)-propionic acid; [<sup>18</sup>F] labeled L,D-2-amino-3-(5-fluoroethyl-3-hydroxy-phenyl)-propionic acid; [<sup>18</sup>F] labeled L,D-2-amino-3-(6-fluoroethyl-3-hydroxy-phenyl)-propionic acid; [<sup>18</sup>F] labeled L,D-2-amino-3-(3-fluoromethyl-5-hydroxy-pyridin-2-yl)-propionic acid; [<sup>18</sup>F] labeled L,D-2-amino-3-(3-fluoroethyl-5-hydroxy-pyridin-2-yl)-propionic acid; [<sup>18</sup>F] labeled L,D-2-amino-3-(3-fluoromethyl-6-hydroxy-pyridin-2-yl)-propionic acid; [<sup>18</sup>F] labeled L,D-2-amino-3-(4-fluoromethyl-6-hydroxy-pyridin-2-yl)-propionic acid; [<sup>18</sup>F] labeled L,D-2-amino-3-(3-fluoroethyl-6-hydroxy-pyridin-2-yl)-propionic acid; [<sup>18</sup>F] labeled alanine; [<sup>18</sup>F] labeled valine; [<sup>18</sup>F] labeled leucine; [<sup>18</sup>F] labeled isoleucine; and [<sup>18</sup>F] labeled methionine.

10. (Original) A pharmaceutical composition comprising the analogue of claim 1 and at least one of an excipient, carrier and diluent.

11. (Original) The pharmaceutical composition of claim 10, wherein the pharmaceutical composition is used as a tracer in at least one of Positron Emission Tomography (PET) and functional Magnetic Resonance Imaging (MRI).

Claims 12 - 24. (Canceled)